

35 SERIES

HN35 PLUS

HN35 PLUS MPC*



HN350802xxC, HN351602xxC



HN353204xx



8* / 16* / 32 Ch Embedded NVR

Introducing Honeywell's 35 Series HN35 NVRs, a robustly-featured, cost-effective, NDAA Section 889 compliant NVR solution delivering 12 MP HD (UHD) video resolution and supporting 4K HDMI out perfect for small/medium businesses and enterprises. Choose a 8, 16 or 32 channel NVR with multiple hard drive options and up to 18 TB (per drive) of internal storage for a flexible solution that grows with your business.

FULLY-FEATURED NVRS

- View 1 to 32 channels simultaneously with synchronized real-time playback (depending on decoding capacity and recording resolution)
- Up to 12 MP Ultra HD (UHD) resolution live view and playback
- Supports H.265 HEVC, H.264, Smart Codec
- Multiple de-warping options of Honeywell fisheye camera video on NVR local & web UI, Honeywell Smart Viewer (HSV) and HSV Mobile App
- Notifications from expanded video analytics on 35 Series cameras
- Two-way audio/push notification
- Supports integration with Maxpro VMS

DYNAMIC, ACCESSIBLE MONITORING

- Global P2P service with reliable connection and mobile apps for both Apple® and Android™ devices for anytime, anywhere access.
- MAXPRO Cloud (MPC)* and P2P integration to manage remote viewing and alarm management
- Video Analytics (VA) search based on object type (person, vehicle)

CONVENIENT, FLEXIBLE STORAGE OPTIONS

- Internal storage supports 4 HDDs expandable up to 18 TB (per drive)
- Store video clips and snapshots to external storage, such as USB device on local side or PC client on web side
- Enhanced external recording and video clip storage: eSATA, NAS, local USB device, PC client on web side

FEATURES

- | | | | | |
|--|--|---|--|--|
| • H.265/H.264 | • Supports alarm input and alarm output | • Configurable to automatically detect and respond to motion in the scene, alarm inputs, and network failure or tampering | • Supports visual or auditory notifications such as a flashing light, bell, or siren | • Supports recording a video clip of events for distribution |
| • HDMI/VGA simultaneous video output | • Supports sending events through email, FTP, alarm out or push notification | | | |
| • USB ports support Keyboard and Mouse | | | | |

MAXPRO CLOUD READY

- Integrated security with MAXPRO Cloud - Access, Intrusion** and Video for small to medium businesses/ enterprises with multi-site locations who want Cloud based flexibility to manage their security
- 8 or 16 Ch NDAA compliant NVRs with flexible storage options
- Remote firmware updates
- Monitor camera and NVR health status
- Push notifications of events from NVR
- Cloud storage for video event and alarms

SECURE AND COMPLIANT SOLUTION

- For use as part of video systems which comply with NDAA Section 889
- The TPM (Trusted Platform Module) provides end-to-end stream and command encryption through integrated cryptographic keys
- Together with 35 Series cameras, provides an end-to-end encrypted solution with TLS1.2 & TLS1.3, video streaming and control encrypted between NVR and web client / viewer / mobile app
- PCI-DSS compliance
- Secure boot feature combined with Honeywell cybersecurity standards helps ensure data protection
- Video watermark to prevent unauthorized use or republication without permission.

EASY TO SETUP AND USE

- Plug and play feature together with 35 Series cameras for rapid and simple setup
- All channels PoE, making it easy to use while also reducing total cost of ownership
- Intuitive NVR design, quick installation wizard and easy-to-understand installation guide for fast and easy setup

* 8 / 16 Channels are MAXPRO Cloud Ready

** Intrusion feature in Europe only

Honeywell

HN35 PLUS, HN35 PLUS MPC 8 / 16 / 32 CH EMBEDDED NVR

TECHNICAL SPECIFICATIONS

SYSTEM	
Main Processor	ARM Processor
Operating System	Embedded LINUX
Onvif Compliance	Onvif Profile S
User Management	User level: administrator, regular user
Log	System log, Event log, Operation log
Date & Time	Time Zone, Manual, Automatic Sync NTP, Daylight Saving Time
Fan	Yes
Security	User account and password protection, HTTPS, IP Filter, Digest authentication, TLS1.2 & TLS1.3, Stream encryption, AES128 / 256, Telnet & ssh closed, PCI-DSS compliance, Built-In encryption chipset, System log
Export Watermark Video Clip	Supported encryption key and customizable watermark
HDD Key Lock	Supported encryption on HDD (optional)
Easy configuration	P2P (QR code)
On-Board Reset	Yes
SDK	Available (Post Signing NDA)
VIDEO	
Inputs	HN350802xxC: 8 channels HN351604xxC: 16 channels HN353204xx: 32 channels
AUDIO	
Audio Input/Output	3.5 mm Line in x1 3.5 mm Line out x1
Two-way Communication	Supported
Audio Format	G.711
DISPLAY	
Interface	HN350802xxC/HN351602xxC: HDMI x 1 (4 K Max), VGA x 1 (1080 P) HN351604xxC/HN353204xx: HDMI x 2 (only HDMI1 support 4 k), VGA x 1 (1080 P)
Resolution	3840 x 2160, 1920 x 1080, 1280 x 1024, 1024 x 768
Display Split	HN350802xxC: 1 x 1, 2 x 2, 3 x 3, 1 + 7, customs HN351604xxC: 1 x 1, 2 x 2, 3 x 3, 4 x 4, 1 + 7, customs HN353204xx: 1 x 1, 2 x 2, 3 x 3, 4 x 4, 6 x 6, 1 + 7, 4 + 28, customs
OSD	Time, channel name, customized label description for OSD
Privacy Mask	Up to 4 areas
Stream Application	HN350802xxC: 1 x 1: 1 ch 12 MP MAX, 2 x 2: 4 ch 4 MP, 3 x 3: 8 ch 2 MP HN351604xxC: 1 x 1: 1 ch 12 MP MAX, 2 x 2: 4 ch 4 MP, 3 x 3: 9 ch 2 MP 4 x 4: 16 ch D1 HN353204xx: 1 x 1: 1 ch 12 MP MAX, 2 x 2: 4 ch 4 MP, 3 x 3: 9 ch 2 MP 6 x 6: 32 ch D1
Fisheye Dewarp	On 1CH up to 11 dewarping options (NVR local UI), On 1CH up to 4 dewarping options (NVR web UI), On multiple CHs up to 11 dewarping options (HSV VMS Windows® desktop), On 1CH up to 3 dewarping options (HSV mobile app).
PTZ Operation	Direction control, Home, Iris, Preset, Patrol, Focus +/- Zoom +/-
Language	English, Traditional Chinese, Czech, Vietnamese, Danish, French, Italian, Hungarian, Polish, Slovakia, Thai, Spanish, Portuguese, Deutsch, Arabic, Indonesian, Japanese, Hebrew, Finnish, Korean, Turkish, Romania, Netherlands
RECORDING	
Compression	H.265/H.264
Resolution	Up to 4000 x 3000
Frame Rate	30 fps
Recording Mode	Continuous, Manual, Event
Pre-Event Recording Interval	HN350802xxC/HN351604xxC: Main stream: 4 Mbps, Sub stream: 0.5 Mbps HN353204xx: Main stream: 1 Mbps, Sub stream: 0.5 Mbps
Post-Event Recording Interval	30 s (Max. 60 s)
ANR (Automatic Network Replenishment)	Supported
Recording Stream	Camera Stream 1 Camera Stream 2
Recording Throughput	HN350802xxC: 80 Mbps HN351604xxC: 160 Mbps HN353204xx: 320 Mbps

VIDEO DETECTION AND ALARMS	
Event	Camera: Camera alarm in, Video loss, Audio detection, Temperature threshold alarm, Temperature threshold warning, Temperature difference alarm, Temperature difference warning, Temperature section alarm, Temperature rise alarm, Temperature rise warning, Face detection, Motion detection, Smart motion detection, Scene change, Smoker detection, Smoke and flame detection, Fire spot detection, Intrusion, Line crossing detection, Unattended object detection, Missing object detection, Wrong way detection, Multi loitering, People counter, Illegal access, local intelligent intrusion detection System: System alarm in/out, IP conflict, Network disconnected, No disk, Disk error, Disk full, NAS offline, Auto backup failed, People counter (NVR)
Event Action	Video recording, Send email, Buzzer, FTP, Camera alarm out, PTZ-preset, System alarm out, Send video to full screen, Pop up message to monitor, Push message to App
Event Search	Support VA event search by object type (Human, Vehicle) and detail attribute (Gender, Age, Mask, Clothing Color, Vehicle Color etc.)
Supported Cameras	Honeywell 30/60/70/35 series camera, S60 Multi-sensor, Bi-spectrum camera, S35 dual-light color camera, S35 180° dual sensor camera, S35 pinhole, S60 4K PTZ, S35 fisheye camera, S60 refresh camera (more details refer to integration matrix)
Alarm Input	6
Alarm Out	2
RS485	Supported
RS232	HN350802xxC/HN351602xxC: Not supported HN351604xxC/HN353204xx: Supported
e-SATA	Directly recording, Auto backup
STORAGE	
Internal HDD Slots	HN350802xxC/HN351602xxC: Internal x 2 (3.5") HN351604xxC/HN353204xx: Internal x 4 (3.5")
HDD Max. Capacity*	18 TB
Manual Backup	USB Dongle (FAT format)
NAS	Directly recording, Auto backup
PLAYBACK AND BACKUP	
Sync Playback	HN350802xxC: 8 channels HN351604xxC/HN353204xx: 16 channels
Decoding	HN350802xxC: H.265/H.264: 4000 x 3000 @ 30 fps (1-CH), 2592 x 1520 @ 120 fps (4-CH), 1920 x 1080 @ 240 fps (8-CH) HN351604xxC: H.265/H.264: 4000 x 3000 @ 30 fps (1-CH), 2592 x 1520 @ 120 fps (4-CH), 1920 x 1080 @ 270 fps (9-CH), 720 x 576 @ 480 fps (16-CH) HN353204xx: H.265/H.264: 4000 x 3000 @ 30 fps (1-CH), 2592 x 1520 @ 120 fps (4-CH), 1920 x 1080 @ 270 fps (9-CH), 720 x 576 @ 960 fps (32-CH)
Search Mode	Time search, Event Search, Video clip
Playback Function	Regular (play, pause, stop), Play backwards, Next frame, Go back 30 seconds, Go forward 30 seconds, Speed control, Timeline, Timeline scale, Digital zoom, Audio, Snapshot, Back up
Snapshot	JPEG
NETWORK	
Ethernet	10/100/1000Mbps Ethernet (RJ-45) x 2
PoE	HN350802xxC: 802.3at/af compliant PoE ports x 8 HN351604xxC/HN353204xx: 802.3at/af compliant PoE ports x 16
Supported Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, SMTP, FTP, DHCP, NTP (Secure), DNS, DDNS, IP Filter, P2P, SNMP
Maximum Number of Users	16
Network Throughput	HN350802xxC: 80 Mbps HN351604xxC: 160 Mbps HN353204xx: 320 Mbps
Smart Phone Compatibility	IOS 11 or later and Android 5.0 or later support
Browsers	Edge, Chrome, Firefox, Safari
AUXILIARY INTERFACE	
USB Ports	Front x2, USB2.0; Back x1, USB3.0
ELECTRICAL	
Power Supply	100-240V AC, 50/60 Hz
Power Consumption	HN350802xxC/HN351602xxC: Max. 180 W; 15 W without HDD PoE Ports Output Power: 130W max. (30 W max. for a single port) HN351604xxC/HN353204xx: Max. 300 W; 15 W without HDD PoE Ports Output Power: 140W max. (30 W max. for a single port)

*For detailed information about compatible HDDs, please refer to the user guide.

HN35 PLUS, HN35 PLUS MPC 8 / 16 / 32 CH EMBEDDED NVR

ENVIRONMENTAL

Operating Temperature	-10°C ~ 55°C (14°F ~ 131°F)
Relative Humidity	Less than 90% RH
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)

PHYSICAL

Dimensions	HN350802xxC/HN351602xxC: 372.0 × 313.3 × 46.5 mm (14.65 × 12.33 × 1.83 inch)
	HN351604xxC/HN353204xx: 440.0 × 376.2 × 70.0 mm (17.32 × 14.81 × 2.76 inch)
Weight (Without HDD)	HN350802xxC: 2.1 kg (4.63 lb) without HDD
	HN351602xxC: 2.75 kg (6.05 lb) without HDD
	HN351604xxC/HN353204xx: 4.65 kg (10.25 lb) without HDD

REGULATORY

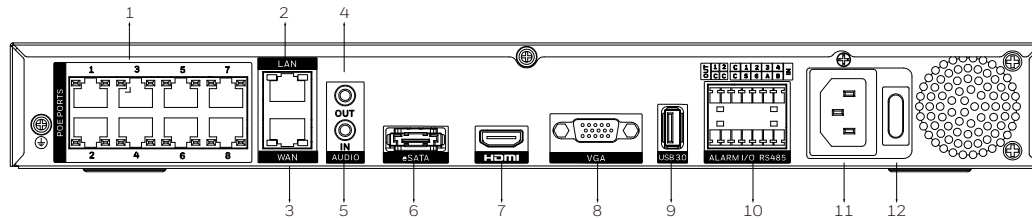
Emissions	FCC Part 15, CE (EN 55032, EN 61000-3-2, EN 61000-3-3, EN 61000-6-4), ICES-003, Comply with UKCA and RCM
Immunity	CE(EN 50130-4, EN 55024, EN 55035) Comply with UKCA and RCM
Safety	UL LISTED TO UL/CSA 62368-1, CE(EN 62368-1), Comply with UKCA and RCM
RoHS	CE(EN 63000), UAE(Cabinet Decree No.10 of 2017)
Country of Origin	Vietnam
Warranty	5 Years

RECOMMENDED CAMERAS

Fixed Dome Cameras	HC35W43R3, HC35W45R3, HC35W48R3
MFZ Dome Camera	HC35W43R2, HC35W45R2, HC35W48R2, HC60W35R2P-V, HC60W35R4P-V, HC60W45R2P-V, HC70W48R2
Fixed Bullet Camera	HC35WB3R3, HC35WB5R3, HC35WB8R3, HC35CB5R3
MFZ Bullet Camera	HC35WB3R2, HC35WB5R2, HC35WB8R2, HC60WB5R2P-V, HC60WB5R5P-V, HC70WB8R2
Fixed Ball Camera	HC35WE3R3, HC35WE5R3, HC35WE8R3, HC35CE5R3
MFZ Ball Camera	HC35WE3R2, HC35WE5R2, HC35WE8R2
Fixed Micro Dome Camera	HC35W25R3, HC35W25R3-H
Speed Dome Camera (PTZ)	HC35WZ2R25, HC35WZ5R30, HC60WZ4R40WI, HC60WZ4R40KI, HC60WZ8R40WI, HC60WZ8R40KI, HC70WZ5I30, HC70WZ5I30-S, HC70WZ5E30
Corner Camera	HC70WC5R3
Dual Sensor Camera	HC35WMBAR1
Split Pin-Hole Camera	HC35WP5B (Lenses: HA35P2L28 / HA35P5L37 / HA35P5F12)
Fisheye Camera	HC35WF6R1, HC35WFCR1, HC60WFCR1-V
Bi-Spectrum Camera	HC35TE5R3JT21, HC35TE5R4JT35, HC35TB5R1JT07, HC35TB5R4JT10, HCS1TB4R1VT09, HCS1TB4R4VT15, HCS1TB4R2VT25, HCS1TB4R2VT35, HCS1TB4R2VT50, HC60TB4R1VT09, HC60TB4R4VT15, HC60TB4R2VT25, HC60TB4R2VT35, HC60TB4R2VT50

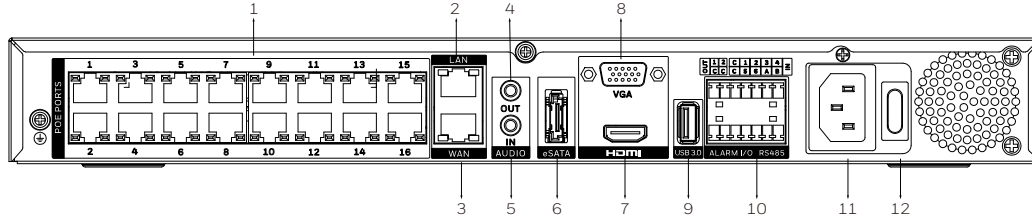
SYSTEM DIAGRAM

HN350802xxC



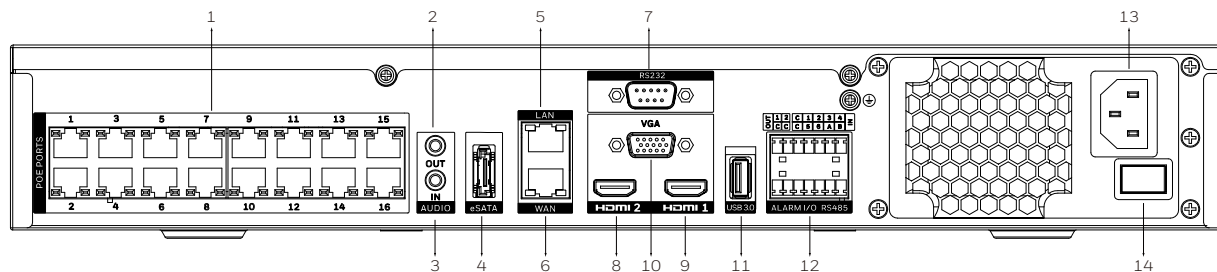
1. PoE Ports 2. LAN Port 3. WAN Port 4. Audio Out 5. Audio In 6. eSATA Port 7. HDMI Port 8. VGA Port 9. USB Port 10. Alarm Input/Output
11. Power Input 12. Power Switch

HN351602xxC



1. PoE Ports 2. LAN Port 3. WAN Port 4. Audio Out 5. Audio In 6. eSATA Port 7. HDMI Port 8. VGA Port 9. USB Port 10. Alarm Input/Output
11. Power Input 12. Power Switch

HN351604xxC/HN353204xx

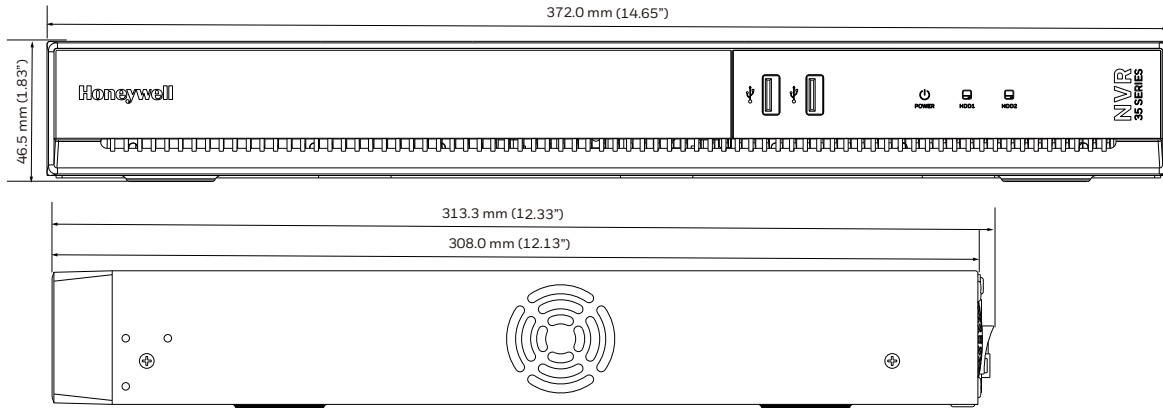


1. PoE Ports 2. Audio Out 3. Audio In 4. eSATA Port 5. LAN Port 6. WAN Port 7. RS232 Port 8. HDMI 2 Port 9. HDMI 1 Port 10. VGA Port 11. USB Port 12. Alarm Input/Output
13. Power Input 14. Power Switch

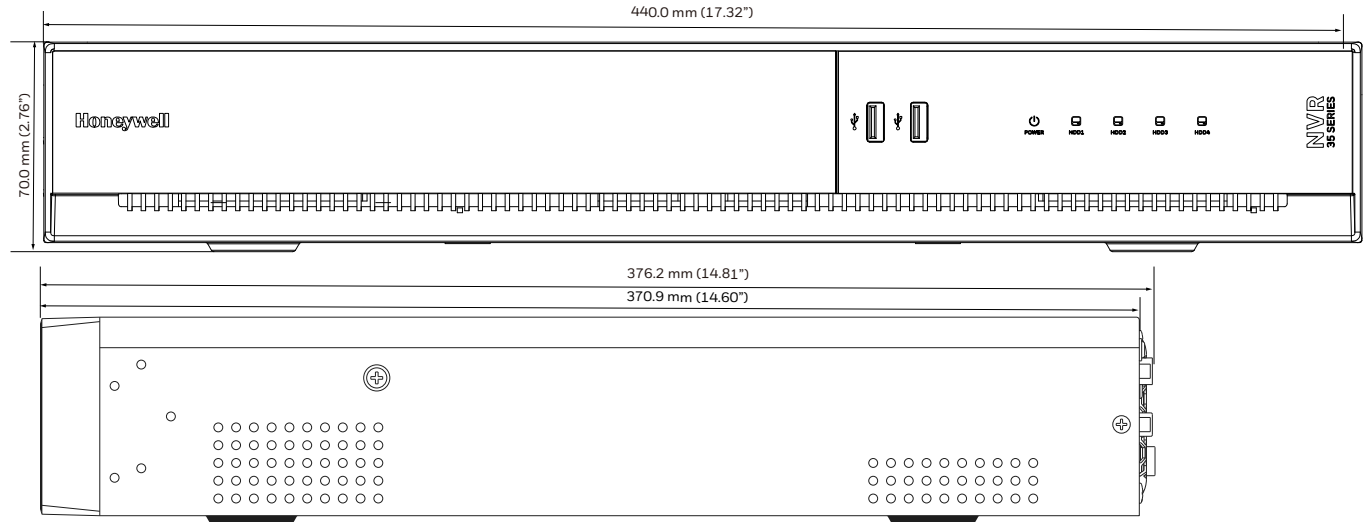
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DIMENSIONS

HN350802xxC/HN351602xxC

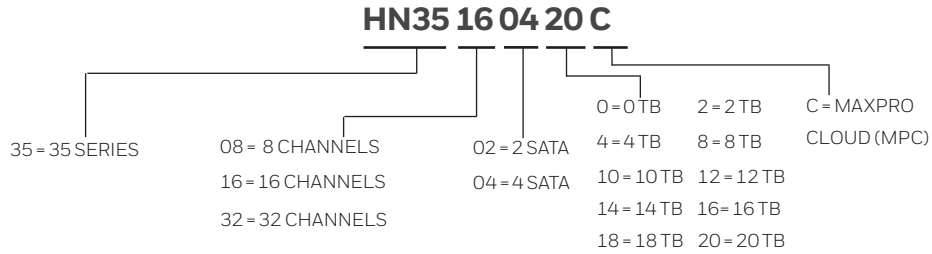


HN351604xxC/HN353204xx



HN35 PLUS, HN35 PLUS MPC 8 / 16 / 32 CH EMBEDDED NVR

PART NUMBER LOOKUP



ORDERING

MODEL	DESCRIPTION	MODEL	DESCRIPTION
HN35 PLUS MPC - 8 / 16 CH		HN35 PLUS - 32 CH	
HN35080200C	8 Chs NVR, PoE, 0 TB, 2 SATA, MPC	HN35320400	32 Chs NVR, 16 Chs PoE, 0 TB, 4 SATA
HN35080202C	8 Chs NVR, PoE, 2 TB (1 x 2 TB), 2 SATA, MPC	HN35320404	32 Chs NVR, 16 Chs PoE, 4 TB (1 x 4 TB), 4 SATA
HN35080204C	8 Chs NVR, PoE, 4 TB (1 x 4 TB), 2 SATA, MPC	HN35320408	32 Chs NVR, 16 Chs PoE, 8 TB (1 x 8 TB), 4 SATA
HN35080208C	8 Chs NVR, PoE, 8 TB (1 x 8 TB), 2 SATA, MPC	HN35320410	32 Chs NVR, 16 Chs PoE, 10 TB (1 x 10 TB), 4 SATA
HN35080210C	8 Chs NVR, PoE, 10 TB (1 x 10 TB), 2 SATA, MPC	HN35320412	32 Chs NVR, 16 Chs PoE, 12 TB (1 x 12 TB), 4 SATA
HN35080212C	8 Chs NVR, PoE, 12 TB (1 x 12 TB), 2 SATA, MPC	HN35320414	32 Chs NVR, 16 Chs PoE, 14 TB (1 x 14 TB), 4 SATA
HN35080214C	8 Chs NVR, PoE, 14 TB (1 x 14 TB), 2 SATA, MPC	HN35320416	32 Chs NVR, 16 Chs PoE, 16 TB (2 x 8 TB), 4 SATA
HN35080216C	8 Chs NVR, PoE, 16 TB (2 x 8 TB), 2 SATA, MPC	HN35320418	32 Chs NVR, 16 Chs PoE, 18 TB (1 x 18 TB), 4 SATA
HN35080218C	8 Chs NVR, PoE, 18 TB (1 x 18 TB), 2 SATA, MPC	HN35320420	32 Chs NVR, 16 Chs PoE, 20 TB (2 x 10 TB), 4 SATA
HN35160200C	16 Chs NVR, PoE, 0 TB, 2 SATA, MPC	HN35 Surveillance Hard Disk Drive*	
HN35160204C	16 Chs NVR, PoE, 4 TB (1 x 4 TB), 2 SATA, MPC	HN30HDS02	Surveillance hard disk drive, 2 TB
HN35160208C	16 Chs NVR, PoE, 8 TB (1 x 8 TB), 2 SATA, MPC	HN30HDS04	Surveillance hard disk drive, 4 TB
HN35160210C	16 Chs NVR, PoE, 10 TB (1 x 10 TB), 2 SATA, MPC	HN30HDS08	Surveillance hard disk drive, 8 TB
HN35160212C	16 Chs NVR, PoE, 12 TB (1 x 12 TB), 2 SATA, MPC	HN30HDS10	Surveillance hard disk drive, 10 TB
HN35160214C	16 Chs NVR, PoE, 14 TB (1 x 14 TB), 2 SATA, MPC	HN30HDS12	Surveillance hard disk drive, 12 TB
HN35160216C	16 Chs NVR, PoE, 16 TB (2 x 8 TB), 2 SATA, MPC	HN30HDS14	Surveillance hard disk drive, 14 TB
HN35160218C	16 Chs NVR, PoE, 18 TB (1 x 18 TB), 2 SATA, MPC	HN30HDS18	Surveillance hard disk drive, 18 TB
HN35160220C	16 Chs NVR, PoE, 20 TB (2 x 10 TB), 2 SATA, MPC		
HN35160400C	16 Chs NVR, PoE, 0 TB, 4 SATA, MPC		
HN35160404C	16 Chs NVR, PoE, 4 TB (1 x 4 TB), 4 SATA, MPC		
HN35160408C	16 Chs NVR, PoE, 8 TB (1 x 8 TB), 4 SATA, MPC		
HN35160410C	16 Chs NVR, PoE, 10 TB (1 x 10 TB), 4 SATA, MPC		
HN35160412C	16 Chs NVR, PoE, 12 TB (1 x 12 TB), 4 SATA, MPC		
HN35160414C	16 Chs NVR, PoE, 14 TB (1 x 14 TB), 4 SATA, MPC		
HN35160416C	16 Chs NVR, PoE, 16 TB (2 x 8 TB), 4 SATA, MPC		
HN35160418C	16 Chs NVR, PoE, 18 TB (1 x 18 TB), 4 SATA, MPC		
HN35160420C	16 Chs NVR, PoE, 20 TB (2 x 10 TB), 4 SATA, MPC		

*For detailed information about compatible HDDs, please refer to the user guide.

For more information:
buildings.honeywell.com/security



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